

Technical Specification – Saxby Palin PIR GU10 Down Wall Light (IP44)

Product Name: Palin PIR 1lt Wall IP44

Manufacturer: Saxby Lighting

Model Number: 75099

Finish: Anthracite Grey (RAL7016)



General Description

A compact, contemporary **down-only** outdoor wall luminaire incorporating a built-in PIR motion sensor. Designed for residential and security applications, it provides controlled downward illumination with minimal outward spill. Constructed from stainless steel with a durable anthracite grey finish, suitable for external wall mounting. [\[saxbytrade.com\]](https://www.saxbytrade.com)

Construction

- **Body Material:** Stainless steel (304 grade) with clear glass lens [\[lumination.co.uk\]](https://www.lumination.co.uk)
- **Finish:** Anthracite grey (RAL7016) with clear glass diffuser [\[lumination.co.uk\]](https://www.lumination.co.uk)
- **Ingress Protection:** **IP44**, suitable for outdoor environments [\[saxbytrade.com\]](https://www.saxbytrade.com)
- **Dimensions:**
 - Height: 108–150 mm (dual height listed by manufacturer)
 - Width: 70 mm

- Projection: (manufacturer dimension not separately listed; typical compact wall profile) [\[saxbytrade.com\]](https://www.saxbytrade.com), [\[lumination.co.uk\]](https://www.lumination.co.uk)
 - **Mounting:** Wall-mounted, surface installation
 - **Weight:** Approx. 0.6 kg [\[saxbytrade.com\]](https://www.saxbytrade.com)
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Electrical

- **Lamp Type:** GU10 LED (7W max, lamp not included) [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Voltage:** 220–240V AC, 50Hz [\[lumination.co.uk\]](https://www.lumination.co.uk)
 - **Class:** Class I – requires earth connection [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Dimming:** Non-dimmable (subject to lamp capability; generally supplied as non-dimmable) [\[electric-center.co.uk\]](https://www.electric-center.co.uk)
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Optical / Lighting Performance

- **Light Direction:** Downward-only beam for controlled illumination (no upward spill) [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Lens/Diffuser:** Clear glass for defined beam output [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Recommended Lamp Colour Temperature:** 2700–3000K warm-white (based on ecological best practice; lamp not included)
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PIR Motion Sensor Performance

- **Type:** Built-in PIR with manual override option [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Detection Angle:** 110° [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Detection Range:** Up to 8 metres [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Lux Adjustment:** 10–2000 lux (day/night sensitivity setting) [\[saxbytrade.com\]](https://www.saxbytrade.com)
 - **Timer Duration:** Adjustable 5 seconds to 5 minutes [\[saxbytrade.com\]](https://www.saxbytrade.com)
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Compliance

- **IP Rating:** IP44 – protected against splashing water [\[saxbytrade.com\]](https://www.saxbytrade.com)
- **Certifications:** CE (implicit from manufacturer category), RoHS compliant (industry standard for Saxby fittings)
- **Environmental:** Downward-only beam suitable for minimising light spill, aligning with ILP GN08/23 ecological lighting guidelines when used with ≤3000K lamps.

Notes for Planning Authority Submission

- Fully shielded **down-only** luminaire—**0% upward light spill**.
- When used with $\leq 3000\text{K}$ LEDs, aligns with ILP GN01/2021 and GN08/23 bat-friendly lighting guidance.
- Integrated PIR sensor reduces unnecessary illumination, supporting biodiversity.
- Compact, low-lumen GU10 LED source ensures low obtrusive light output.